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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,549	06/10/2005	Yun-Kee Kang	5294-000025/NP	3684

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EXAMINER	
TAKELE, MESEKER	
ART UNIT	PAPER NUMBER
2175	
MAIL DATE	DELIVERY MODE
04/03/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/538,549	KANG ET AL.	
	Examiner	Art Unit	
	MESEKER TAKELE	2174	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *27 December 2007*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1,6 and 8-18* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1, 6 and 8-18* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

1. This communication is responsive to the Amendment filed 12/27/2007.

2. Claims 1, 6, 8-18 are pending in this application. Claims 1, 6 and 8 are independent claims. Claims 1 and 6 were amended. Claims 8-18 were added. Claims 2-5 and 7 are cancelled. This action is made Final.

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 103

4. Claims 1, 6 and 8-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yang (US PUB No.: 2004/0012642) and Lee (US Patent No.: 6,686,902).

As to claim 1, Yang discloses a method of inputting letters in a wireless terminal (abstract) comprising: steps of:

a) typing in at least a first and last letters of a word to be input, and pressing a function key (Figure 6 element 600 and 602));

b) recognizing as the last letter of the word to be input a letter typed-in prior to pressing the function key (paragraph [0043], Figure 6 and Figure 2);

c) from a word repository, retrieving words having the same first and last letters as the typed-in first and last ones (Figure 2 (element 202 and 204)).

and displaying the retrieved words on a display device (Figure 6 (element 604)); and

d) selecting a desired word from the displayed words, and converting the typed-in first and last letters into the selected word (Figure 3 and paragraph [0026]).

However Yang does not explicitly disclose (i) wherein, in step c), a word to be retrieved has more than 6 letters; (ii) wherein a cursor moves in front of the last letter so as to enable an additional letter to be input; and (iii) wherein the retrieved word is displayed in a sequence of hiqher retrieval- frequency.

Lee from the same field of endeavor teaches: (a) a word to be retrieved having more than 6 letters (claim 1; retrieving one or more characters corresponding to the inputted key from the storage unit); (b) a cursor moving in front of the last letter so as to enable an additional letter to be input (such as, continuously displaying the retrieved one or more characters in a current cursor position in sequence until the key input signal is no longer generated, claim 1,claim 2 and Figure 3 (element s150)); and (c) wherein the retrieved word is displayed in a sequence of hiqher retrieval- frequency (Figure 3 (element s120)).

It would have been obvious to have modified Yang's teaching with the teaching of Lee.

The motivation to combine to provide a method for inputting characters in a mobile terminal which includes a key input unit and a storage unit for storing a number of characters in mutual association which are arranged in predetermined order; searching a number of characters corresponding to the inputted key from the storage unit and displaying the characters in a current cursor position in sequence according to a predetermined time interval.

Claim 6 is similar in scope to claim 1, and is therefore rejected under similar rationale.

Claim 8 is similar in scope to claim 1, and is therefore rejected under similar rationale. Lee further discloses retrieving from a word repository a first list of words that each begin with the first (N-M) letters of the initial sequence of letters, that each end with the last M letters of the initial sequence of letters, and that each have more than a predetermined number of letters (abstract, col., 4 lines, 35-44 and claim 1).

As to claim 9, Yang discloses displaying the initial sequence of letters on a display device of the wireless terminal (Figure 1 (element 12).

As to claim 10, Lee discloses displaying a cursor after the last letter of the initial sequence of letters on the display device of the wireless terminal (such as, display cursor to next position, Figure 3 (element s150)).

As to claim 11, Lee discloses moving the cursor from after a letter to before the letter each time the function key is pressed (abstract and Figure 3 (element s150).

As to claim 12, Lee discloses displaying the first list of words on a display device of the wireless terminal (abstract and claim 4).

As to claim 13, Lee discloses selecting a desired word from the first list of words by moving a cursor through the displayed first list of words (abstract and claim 4).

As to claim 14, Lee discloses inputting an additional letter to the wireless terminal (abstract and Figure 3).

As to claim 15, Lee discloses retrieving from the word repository a second list of words that each begin with the first (N-M) letters of the initial sequence of letters plus the additonal letter, that each end with the last M letters of the initial sequence of letters, and that each have more than the predetermined number of letters (abstract, Figure 3 and claim 1).

As to claim 16, Lee discloses displaying the second list of words on a display device of the wireless terminal (abstract, Figure 3 and claim 4).

As to claim 17, Lee discloses selecting a desired word from the second list of words by moving a cursor through the displayed second list of words (Figure 3).

As to claim 18, Lee discloses wherein the predetermined number is 6 (col., 2 lines, 29-44).

Applicant's arguments with respect to the amended claims 1, 11 and 21 have been fully considered but they are not persuasive.

Response To Arguments

Applicant argues that:

(a) Yang and Lee, individually or in combination, do not teach or suggest inputting a desired word by using the first letter and the last letter; and

(b) Yang and Lee, individually or in combination, do not teach or suggest that a word to be retrieved has more than 6 letters;

(c) Yang and Lee, individually or in combination, do not teach or suggest moving a cursor in front of the last letter so as to enable an additional letter to be input and displaying the retrieved words in a sequence of higher retrival frequency value.

The Examiner disagrees for the following reasons.

Per (a) Lee teach inputting a desired word by using the first letter and the last letter (such as key input, Figure 3 (element s110) and col., 4 lines, 35-43); and

Per (b) Lee teach that a word to be retrieved has more than 6 letters (such as, a method for inputting characters in a mobile terminal which includes a key input unit and a storage unit for storing a number of characters in mutual association which are arranged in predetermined order , col., 1 lines, 55-67) ;

Per (c) Lee teach moving a cursor in front of the last letter so as to enable an additional letter to be input and displaying the retrieved words in a sequence of higher retrival frequency value (such as displace cursor to next position , Figure 3 (element s150) and abstract).

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Inquires

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MESEKER TAKELE whose telephone number is (571)270-1653. The examiner can normally be reached on Monday - Friday 7:30AM- 5:00PM est.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on (571) 272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/M. T./
Examiner, Art Unit 2174

/David A Wiley/
Supervisory Patent Examiner, Art Unit 2174